

Fig. 1

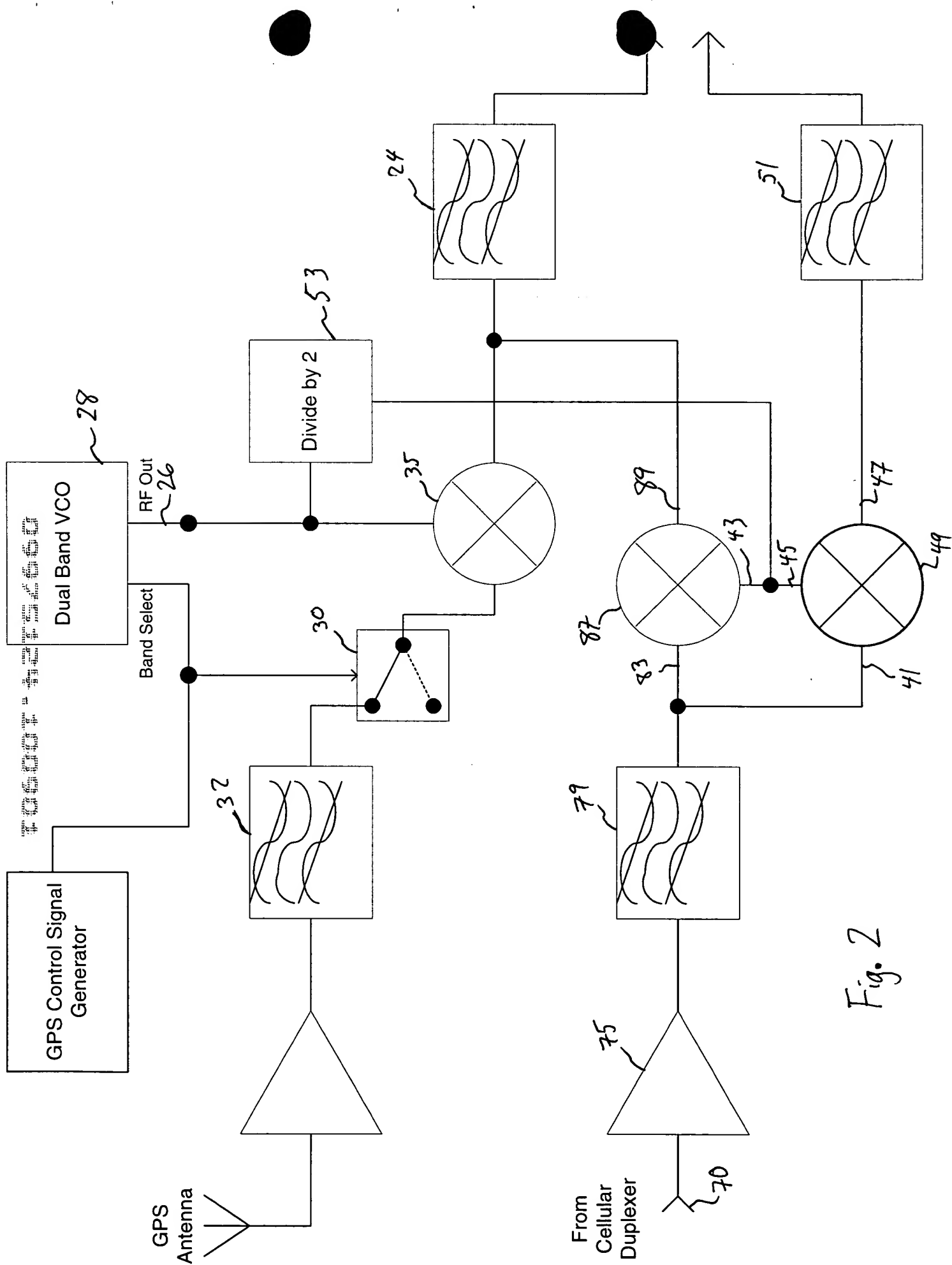


Fig. 2

FIG. 3 is a block diagram of a radio frequency (RF) system, such as a mobile station, configured for dual-band operation. The system includes a GPS control signal generator 20, a dual band VCO, a band select, a GPS antenna, a GPS/PCS diplexer 81, a band pass filter 57, a band pass filter 59, a duplexer 246, and a band pass filter 21.

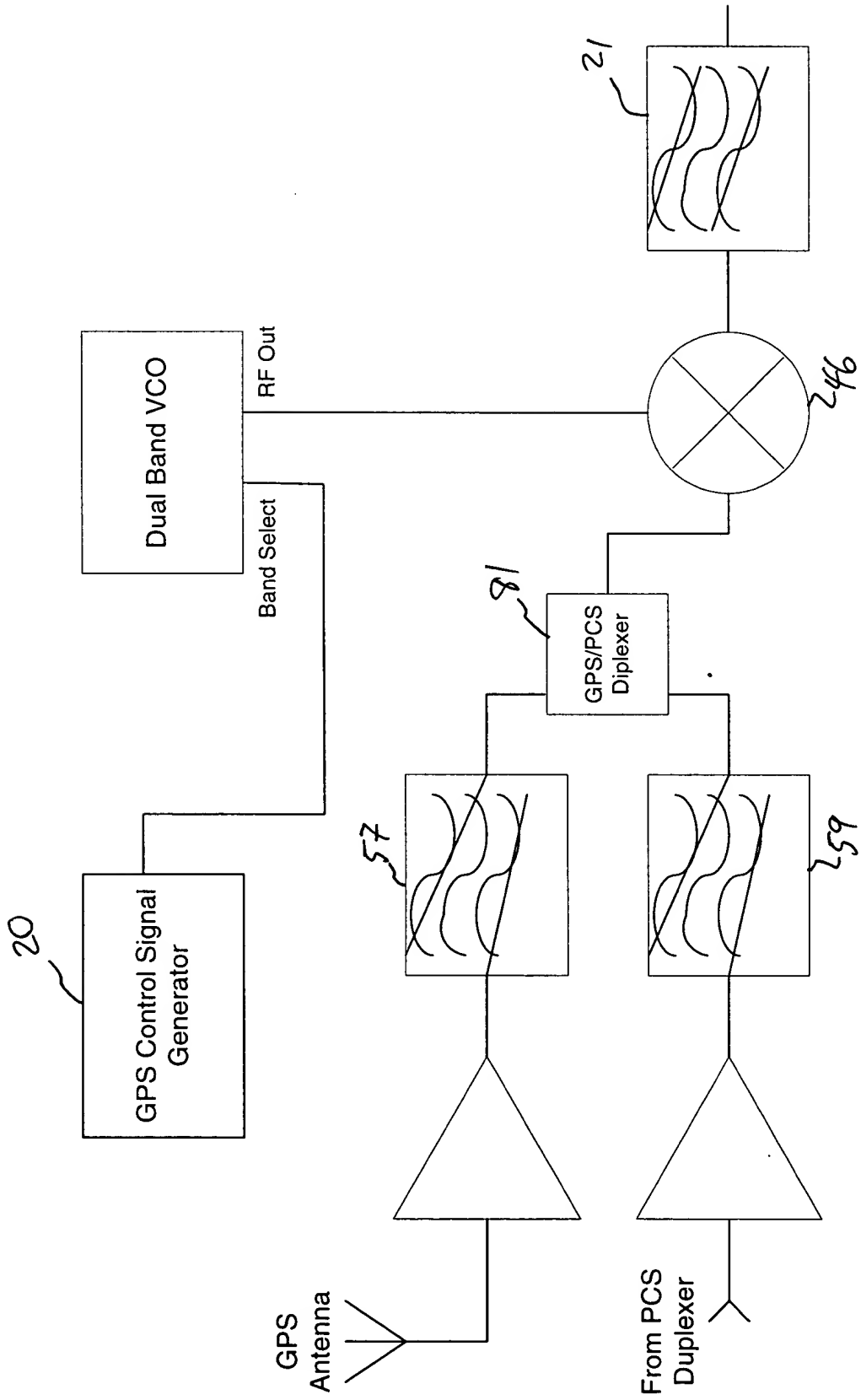


Fig. 3

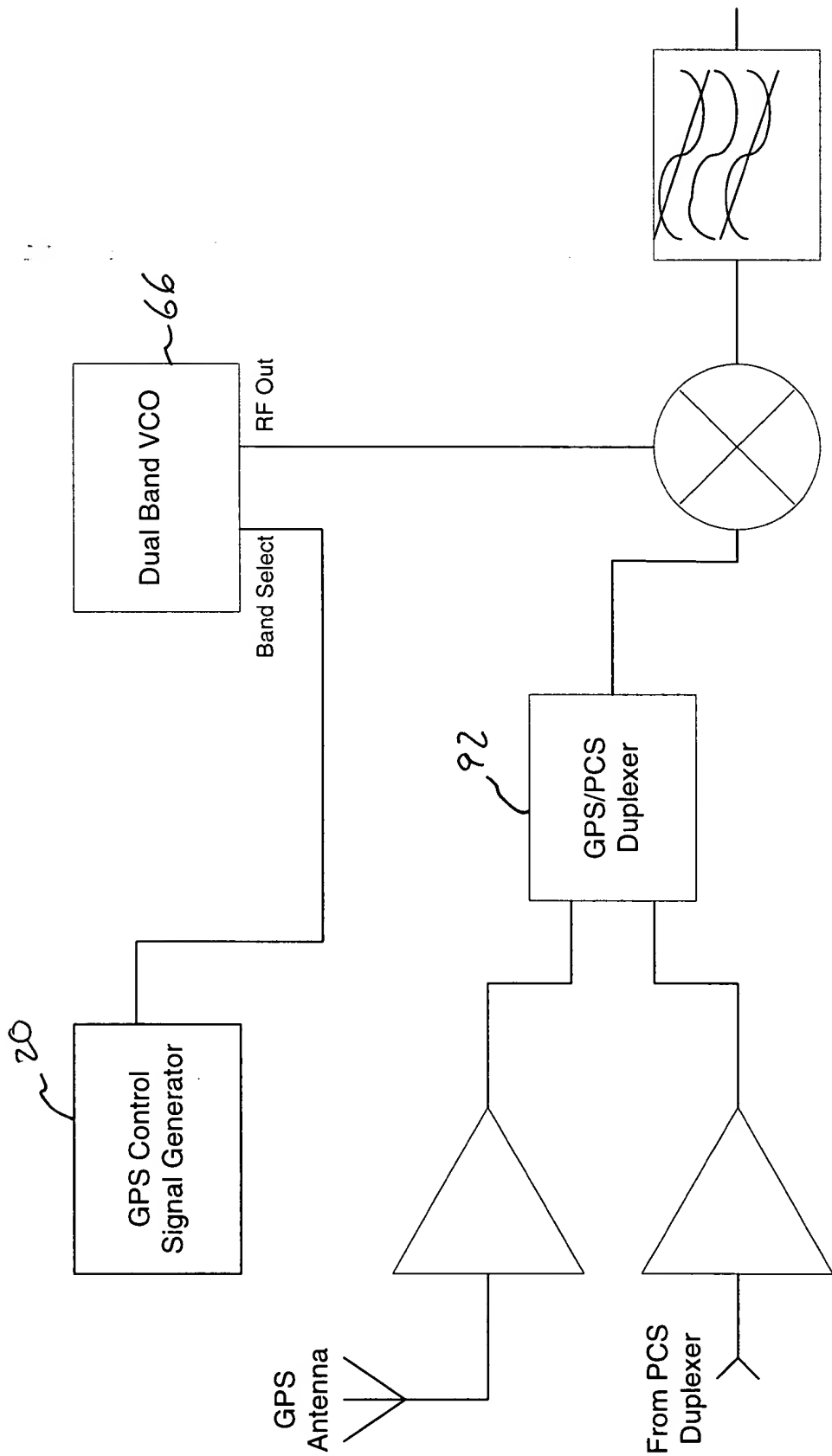


Fig. 4

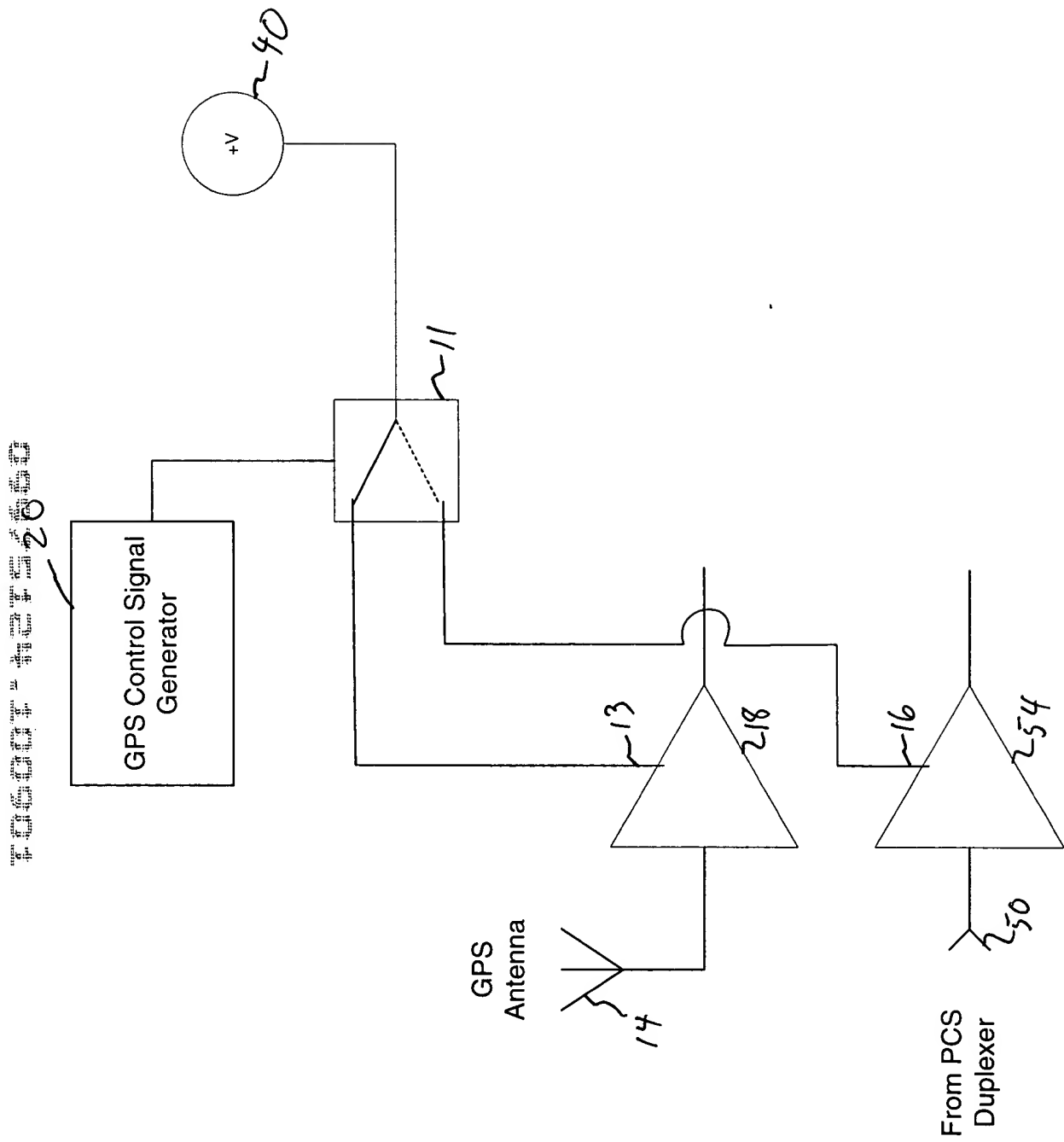


Fig. 5a

Active Mixer Response

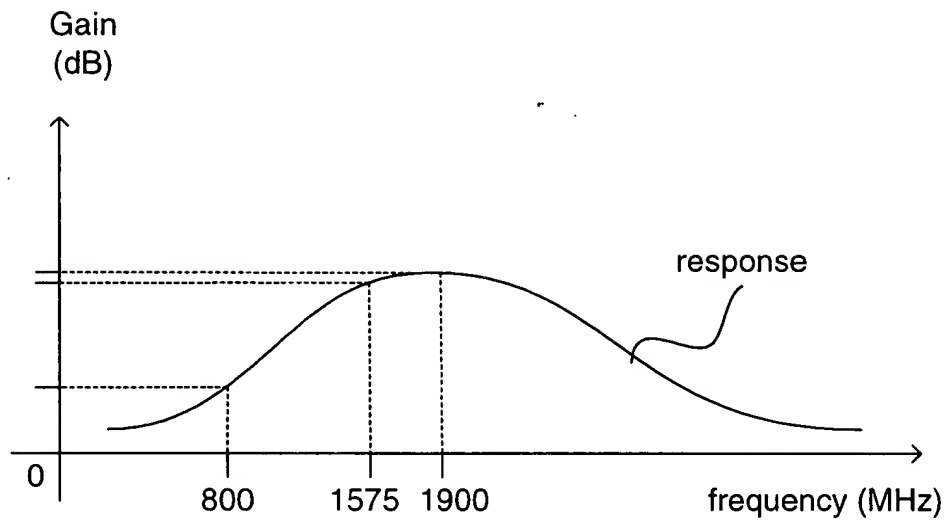


Figure 506

Passive Mixer Response

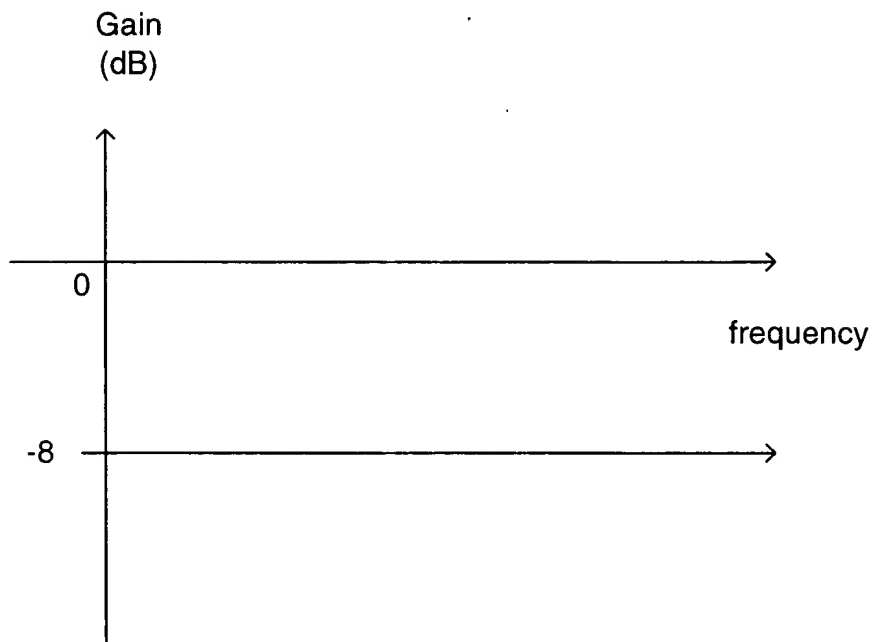


Figure 5c

Passive Mixer Configuration

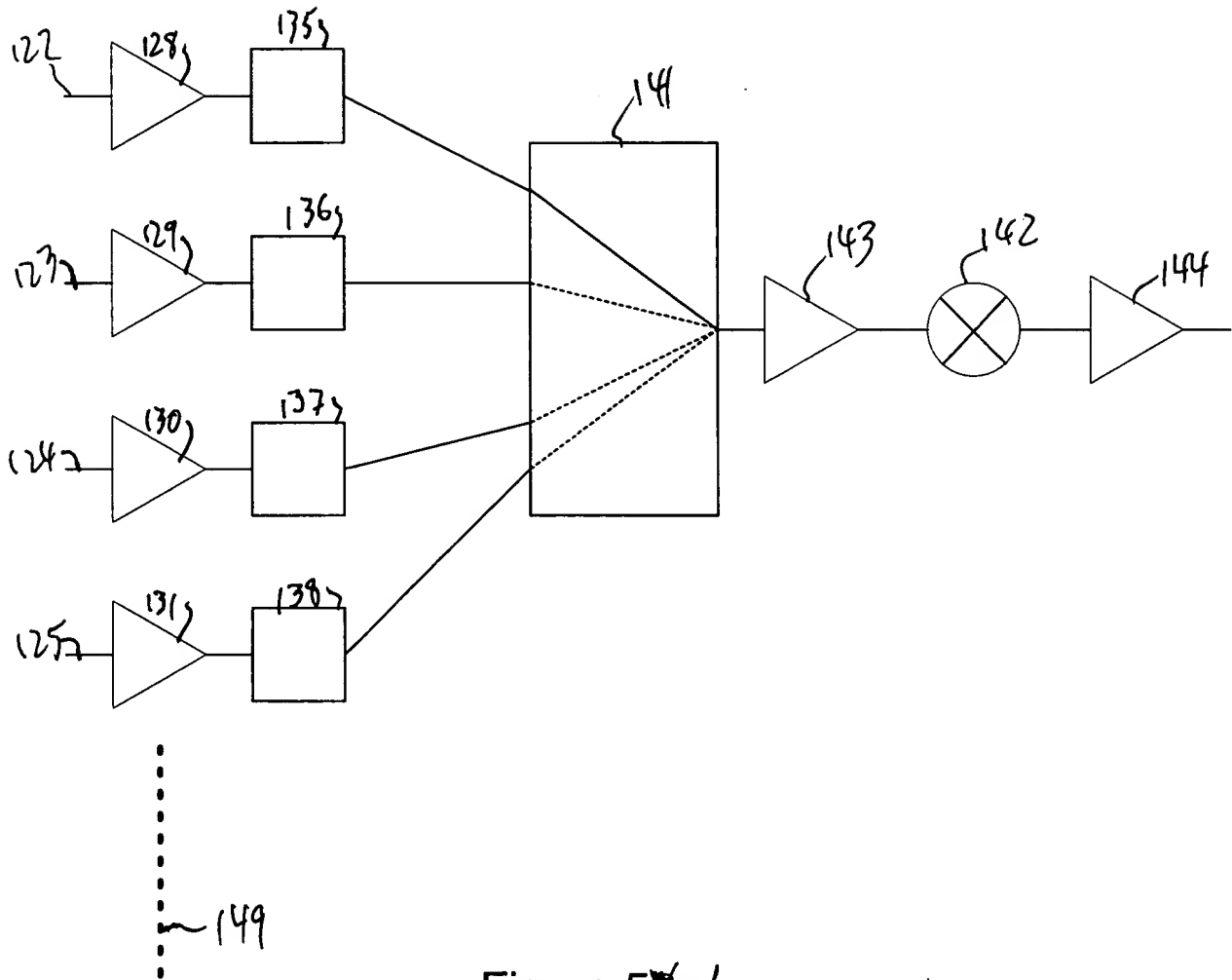


Figure 5 of 1

First GPS Signal Mixing Procedure

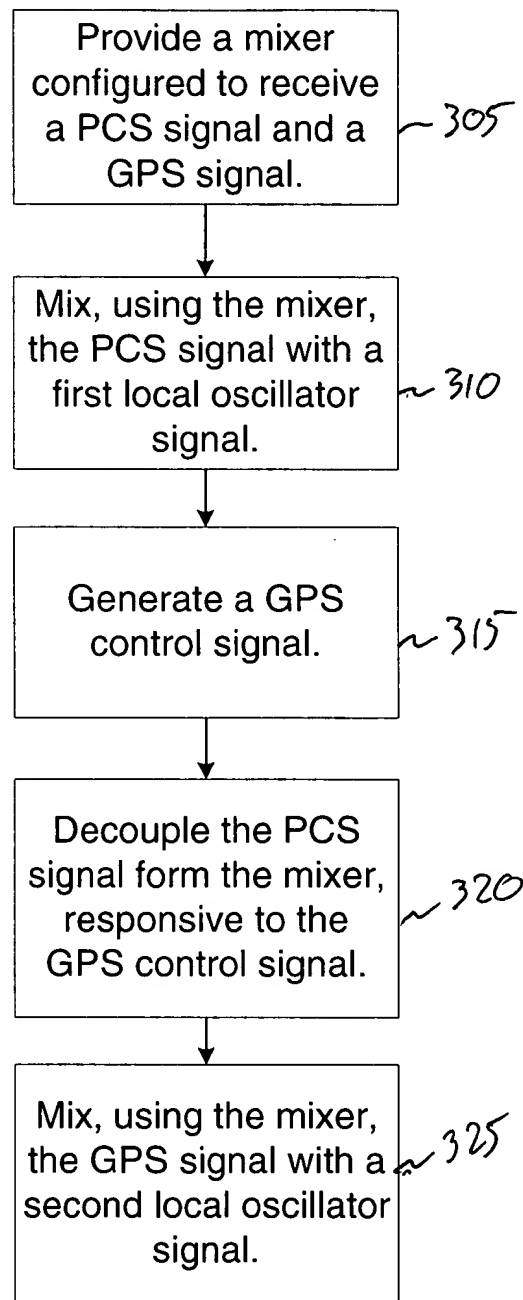


Fig. 6

Second GPS Signal Mixing Procedure

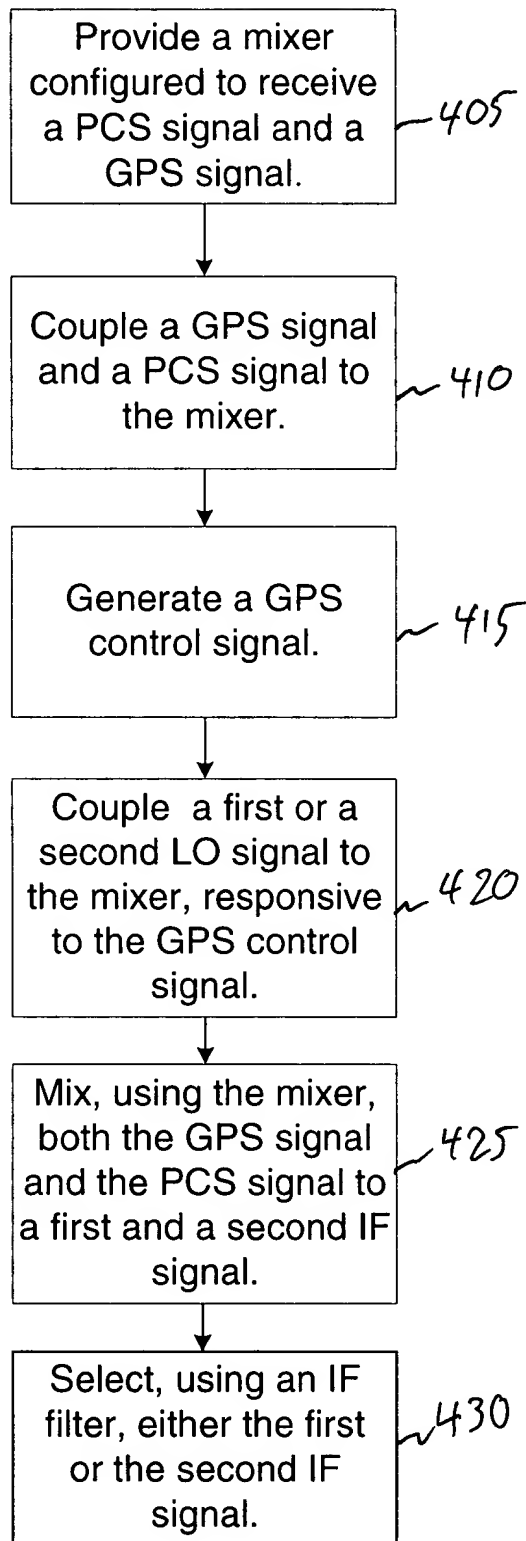


Fig. 7